

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP02/12884

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ G11B7/09, 7/125, 7/135

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ G11B7/09, 7/095, 7/125, 7/135

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

| | | | |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho | 1922-1996 | Toroku Jitsuyo Shinan Koho | 1994-2003 |
| Kokai Jitsuyo Shinan Koho | 1971-2003 | Jitsuyo Shinan Toroku Koho | 1996-2003 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|------------------------|
| X | WO 00/79525 A1 (Matsushita Electric Industrial Co., Ltd.), 28 December, 2000 (28.12.00), Full text; Figs. 1 to 36 | 1-6, 9, 19, 20 |
| Y | Full text; Figs. 1 to 36 | 7, 8, 10, 11, 13-18 |
| A | Full text; Figs. 1 to 36 & AU 5566200 A | 12 |
| Y | JP 10-20263 A (Pioneer Electronic Corp.), 23 January, 1998 (23.01.98), Full text; Figs. 1 to 22 & US 6078554 A1 | 7, 13, 16-18 |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
30 April, 2003 (30.04.03)Date of mailing of the international search report
20 May, 2003 (20.05.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | JP 2000-348362 A (LG Electronics Inc.), 15 December, 2000 (15.12.00), Full text; Figs. 1 to 4 (Family: none) | 8 |
| Y | JP 2000-20993 A (Fujitsu Ltd.), 21 January, 2000 (21.01.00), Full text; Figs. 1 to 10 (Family: none) | 10, 11, 14-17 |